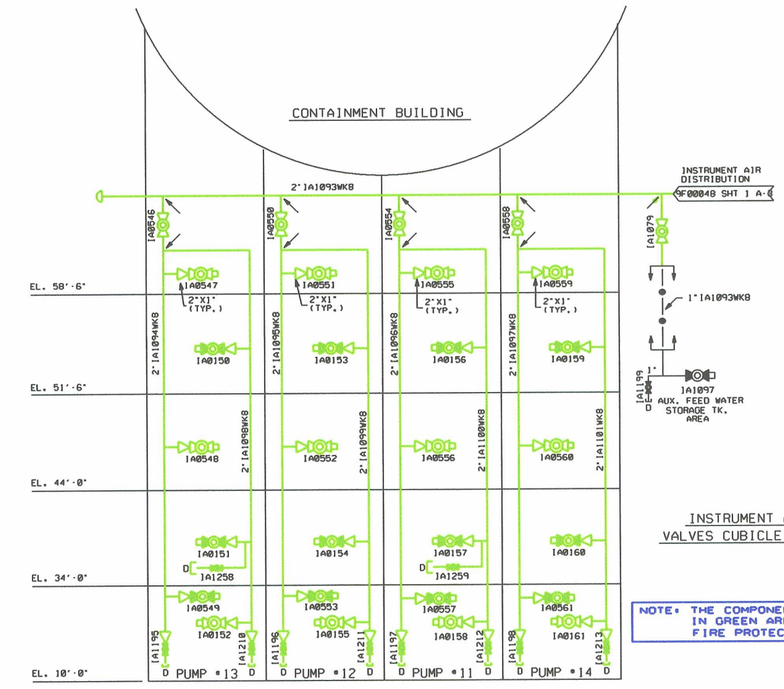
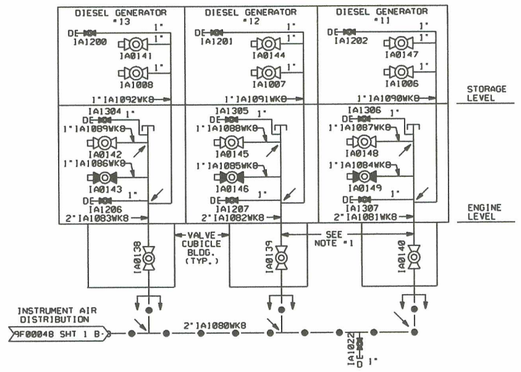
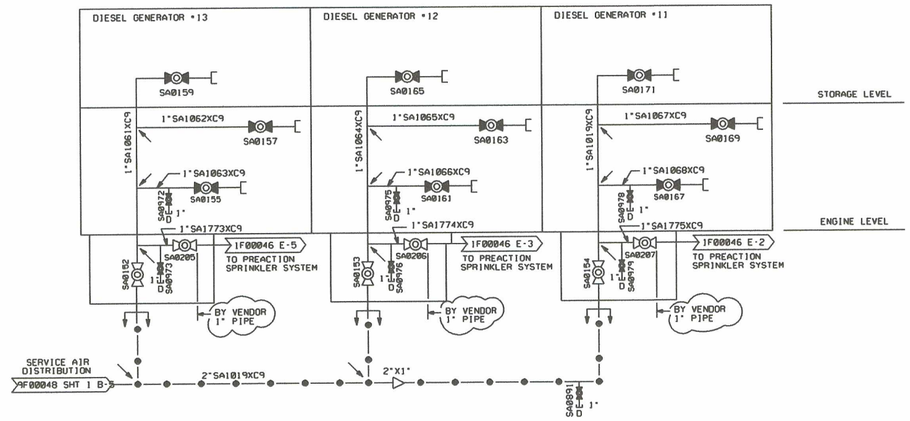




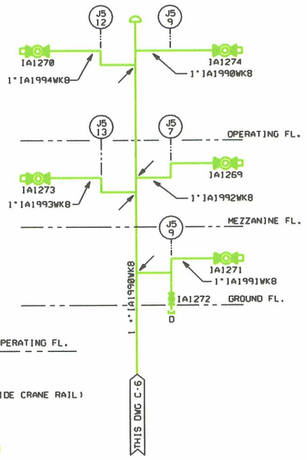
INSTRUMENT AIR
DIESEL GENERATOR BLDG.

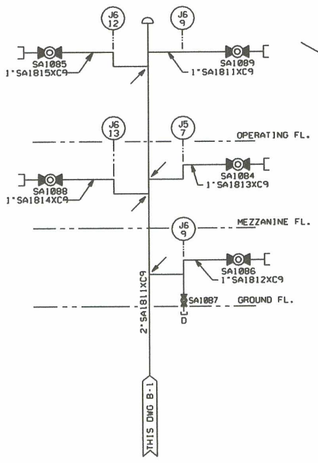


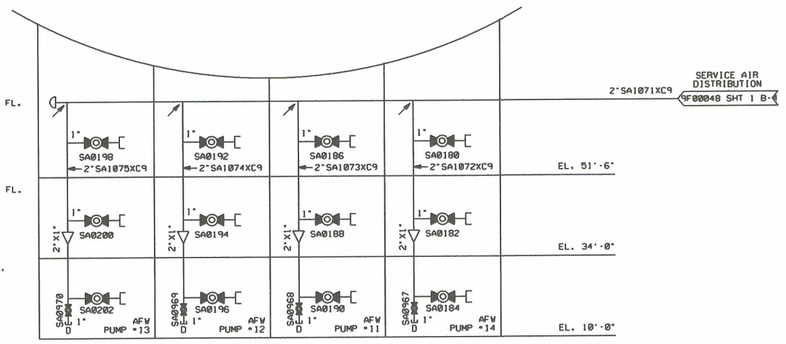
SERVICE AIR
DIESEL GENERATOR BLDG.

INSTRUMENT AIR
VALVES CUBICLE BLDG.

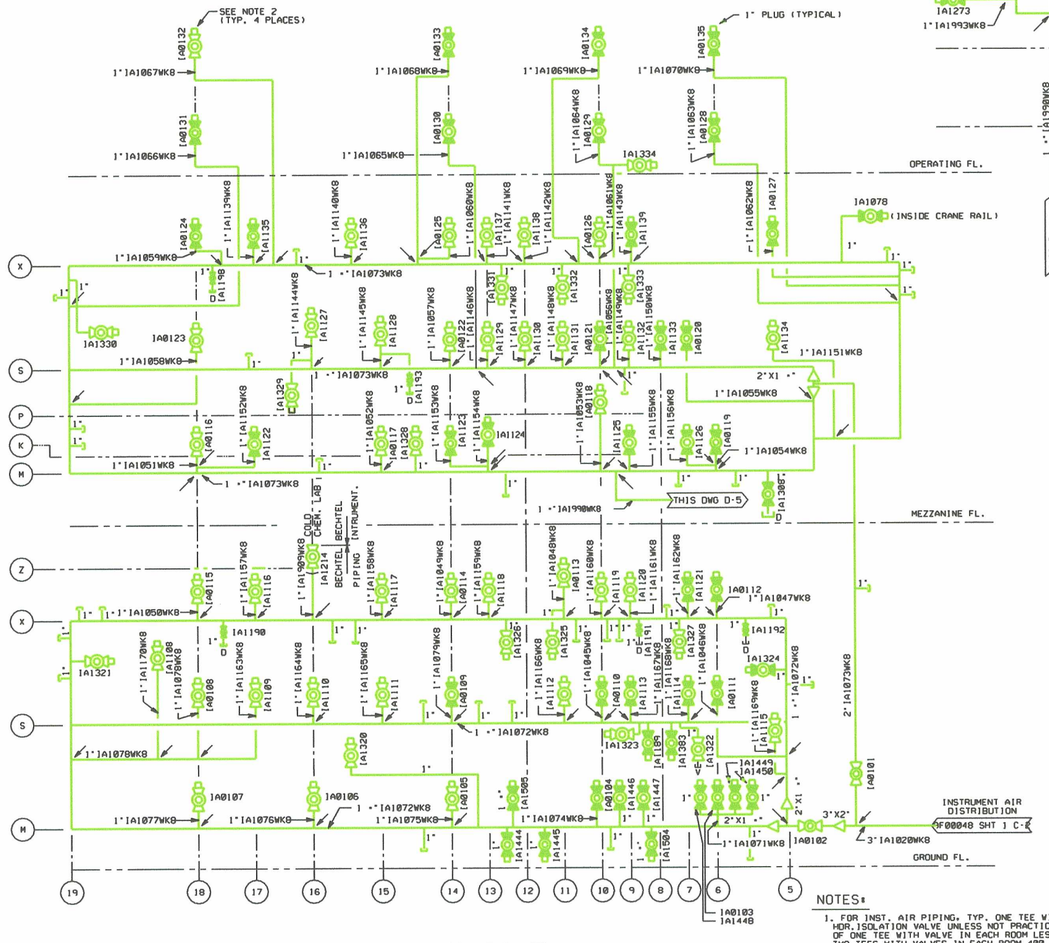
NOTE: THE COMPONENTS HI-LIGHTED IN GREEN ARE IN SCOPE FOR FIRE PROTECTION.



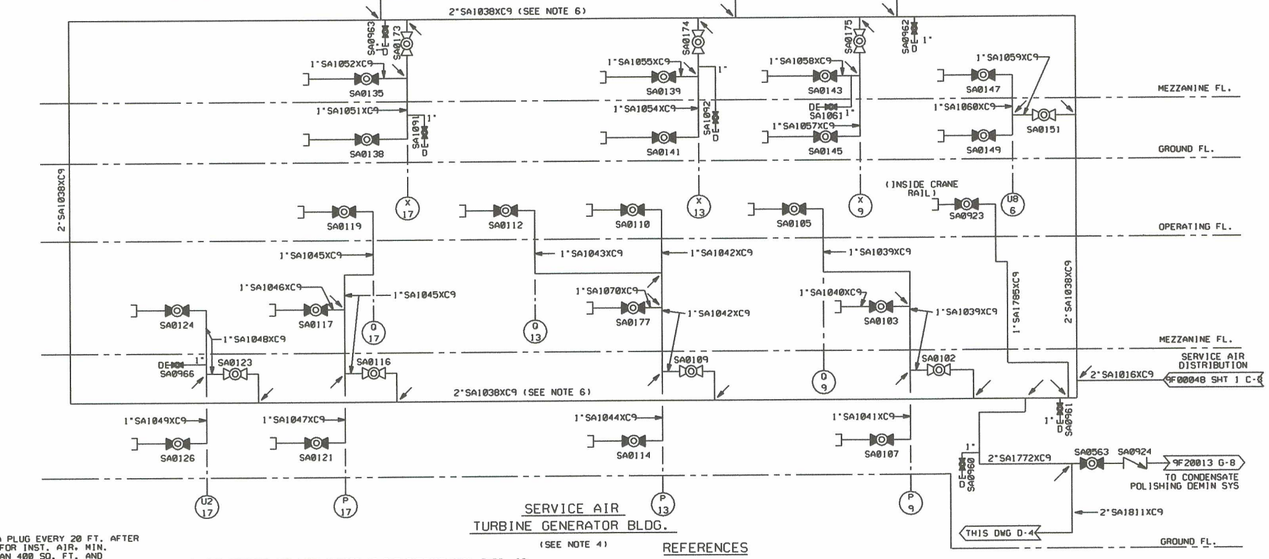




SERVICE AIR
VALVES CUBICLE BLDG.



INSTRUMENT AIR
TURBINE GENERATOR BLDG.
(SEE NOTE 4)



SERVICE AIR
TURBINE GENERATOR BLDG.
(SEE NOTE 4)

NOTES:

1. FOR INST. AIR PIPING, TYP. ONE TEE WITH A PLUG EVERY 20 FT. AFTER HDR. ISOLATION VALVE UNLESS NOT PRACTICAL. FOR INST. AIR, MIN. OF ONE TEE WITH VALVE IN EACH ROOM LESS THAN 400 SQ. FT. AND TWO TEES WITH VALVES IN EACH ROOM 400 SQ. FT. OR LARGER.
2. LOCATE INST. AIR HEADER ISOLATION VALVES ON T-G OPERATING FLOOR AROUND TURBINE GENERATOR AS REQUIRED.
3. LOW POINT DRAIN CONNECTIONS TO BE PROVIDED AS SHOWN.
4. COLUMN LINE ALPHANUMERIC DESIGNATIONS ARE FOR PHYSICAL LOCATION OF VALVES ONLY.
5. PNEUMATIC TESTING ONLY REQUIRED FOR THIS SYSTEM.
6. THE SERVICE AIR LOOP HEADER AT THE TURBINE GEN. BLDG. IS LOCATED APPROXIMATELY 20 FEET ABOVE THE GROUND FLOOR.
7. UNLESS OTHERWISE NOTED, UNIT 1 IS SHOWN ON THIS P & ID FOR APPLICATION OF THIS P & ID TO UNIT 2. USE UNIT 2 IDENTIFICATION NUMBERS FOR PIPING, VALVES, INSTRUMENTS, EQUIPMENT, ETC. REFER TO DRAWINGS 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS.

REFERENCES

1. FOR PIPING AND INSTRUMENT SYMBOLS SEE DRAWINGS 9A310F00001 AND 9A310F00002.

(A 22) (EXAMPLE) INDICATES COLUMN LINE LOCATION

REFER TO DRAWINGS 6Z011Z45043 AND 6Z011Z45046 SHTS. 1 THRU 4 FOR DETAILED FUNCTIONAL OR CONTROL APPLICATIONS DOWNSTREAM OF VALVES INDICATED NORMALLY OPEN ON THIS PRINT.

0207

LR BOUNDRY DRAWING NO.	REV.
LR-STP-IA-8Q119F00049#1	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
18		INCORP. DCN 0400746	KS				
17	12-9-03	INCORP. DCN 0301294.	JSH	ON FILE			
16	5-22-03	INCORP. DCN 0300703.	LNB	ON FILE			
15	6-28-01	REVISED PER CR 01-5117-3.	VJM	ON FILE			
0-14	9-6-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

ESEED.DGN

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM
SERVICE AIR & INSTRUMENT AIR
TURBINE GENERATOR BLDG. & DIESEL GENERATOR BLDG.

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA076.181	D070928		NONE	8Q119F00049#1	-	18

8 7 6 5 4 3 2 1